

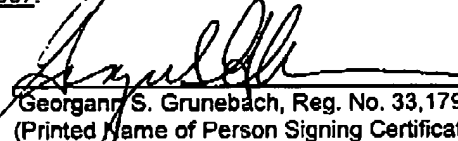
BEST AVAILABLE COPY
FEB 22 2007**FAX COVER SHEET****PLEASE CONFIRM RECEIPT OF THIS FACSIMILE**

Attention:	MAIL STOP AMENDMENT Group Art Unit: 2611 Examiner: PATEL, Jayanti K.	Fax:	(571) 273-8300
UNITED STATES PATENT AND TRADEMARK OFFICE		Phone:	(571) 272-2988
Pages:	Cover + 2 + 1 = 4	Date:	February 22, 2007
From:	Georgann S. Grunebach	Fax:	(310) 964-0941
	Assistant General Counsel	Phone:	(310) 964-4615

The information contained in this facsimile is confidential and may also contain privileged attorney-client information or work product. The information is intended only for the use of the individual or entity to which it is addressed. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by telephone, and return the original message to us at the address below via the U.S. Postal Service. Thank you.

CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence identified below is being facsimile transmitted to (571) 273-8300 (Centralized Facsimile Number), addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 22, 2007.


 Georgann S. Grunebach, Reg. No. 33,179
 Telephone No. (310) 964-4615 (Printed Name of Person Signing Certificate)

February 22, 2007
 (Date of Signature)

Attention: Commissioner for Patents**Attorney Docket No. PD-201014**

Please find attached Re:

Serial No.: 10/532,619

Filing Date: 04-25-2005

- INFORMATION DISCLOSURE STATEMENT (2 pages)
- SUBSTITUTE PTO FORM 1449 (1 page)

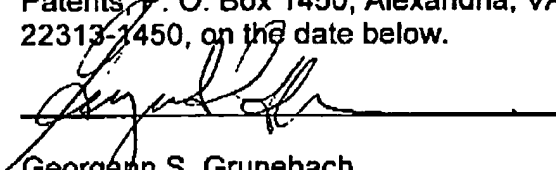
PLEASE CONFIRM RECEIPT OF THIS FACSIMILE

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.
 The DirectV Group, Inc., CA/LA1/A109, P. O. Box 956, El Segundo CA 90245

FEB 22 2007

Patent
PD-201014
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen : I hereby certify that this correspondence is
Serial No.: 10/532,619 : being facsimile transmitted to (571) 273-8300
371(c) Date: April 25, 2005 : (Centralized Facsimile Number) and
For: MAXIMIZING POWER AND : addressed to:
SPECTRAL EFFICIENCIES FOR : Mail Stop Amendment, Commissioner for
LAYERED AND CONVENTIONAL : Patents, P. O. Box 1450, Alexandria, VA
MODULATIONS : 22313-1450, on the date below.
: 
: Georgann S. Grunebach
: Typed or printed name of person signing certificate
Group Art Unit: 2611 :
Examiner: PATEL, Jayanti K. : Date: February 22, 2007

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56.

It is respectfully requested that the references be considered and made of record in the application identified above.

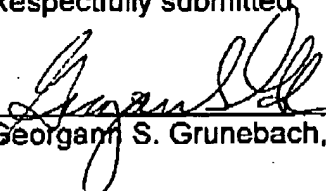
This statement should be considered because it is being submitted before the mailing of a first Office action on the merits under 37 C.F.R. §1.97(b)(3). Accordingly, it is submitted that no fee is due in this matter.

However, if it is determined that any appropriate fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

Serial No. 10/532,619.....Page 2

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted

By: 
Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
CA/LA1/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

February 22, 2007

FEB 22 2007

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/532,619
	Filing Date	April 25, 2005
	First Named Inventor	Ernest Chen
	Art Unit	2611
	Examiner Name	PATEL, Jayanti K.
Date: February 22, 2007		
Sheet 1 of 1	Attorney Docket Number	201014

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-6,522,683	02-2003	Smee et al.	
	2	US-7,161,931	01-2007	Li et al.	
	3	US-6,956,841	10-2005	Stahle et al.	
	4	US-6,049,566	04-2000	Saunders et al.	
	5	US-2002/0136327	09-2002	El-Gamal et al.	
	6	US-7,154,958	12-2006	Dabak et al.	
	7	US-2003/0194022	10-2003	Hammons et al.	
	8	US-2004/0146014	07-2004	Hammons et al.	
	9	US-2002/0051435	05-2002	Giallorenzi et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.